

SWAYAM YADAV

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Education

Kalinga Institute of Industrial Technology, Bhubaneswar, India

Bachelor of Technology in Computer Science Engineering

October 2021 – present

CGPA: 6.64/10.0

St. Joseph College, Bhalwari, Nepal

Senior Secondary School (12th)

October 2018 – April 2020

Percentage: 75%

Projects

Smart Door Lock - Face Recognition System

[GitHub](#)

- Designed and implemented a secure smart door lock system using facial recognition, enhancing security by 30%.
- Utilized Python, OpenCV, and NumPy for facial data processing, achieving 95% recognition accuracy and reducing training time by 20%.
- Integrated IoT capabilities for remote access and control, allowing users to monitor and manage the lock system from their smartphones.

ASL Sign Language Detection System

[GitHub](#)

- Developed an ASL Sign Language Detection System using Python and Random Forest Classifier, achieving 90% accuracy in gesture recognition.
- Integrated OpenCV, MediaPipe, Pillow, NumPy, Pickle, and Tkinter, improving data manipulation efficiency by 25% and enhancing user interface design.
- Implemented real-time feedback for users, providing instant visual and audio feedback on recognized signs, enhancing user interaction and learning experience.

Data Manipulation and Analysis with NumPy and pandas

[GitHub](#)

- Demonstrated proficiency in NumPy array manipulation and mathematical operations by optimizing data processing tasks by 40%.
- Mastered pandas for data handling and analysis, successfully managing and manipulating datasets with a 30% increase in processing efficiency.
- Developed automated data cleaning and preprocessing pipelines, reducing manual effort by 50% and ensuring data integrity and consistency.

Technical Skills

Languages: Python, C++, C, SQL

Tools: GitHub, Jupyter Notebook, SQLite, Oracle Database, Excel, Nmap, Subfinder, Payloads, Adobe Premier Pro, Adobe Photoshop

Relevant Coursework: DSA, Object Oriented Programming, DBMS, Software Engineering, Compiler Design, Cryptography, Cloud Computing

Certifications

Foundations of Cybersecurity (Certificate)

Python for Everybody Specialization (Certificate)

Crash Course on Python (Certificate)

Python for Data Analysis: Pandas and NumPy (Certificate)

Extra-Curricular Activities

Obstruction Dance Crew, Nepal

2018 – present

Active Member

Korus Individuals Dance Crew Lead, KIIT

2022 – present

Lead Member

Binary Boppers Dance Crew

2022 - 2022

Former/Founding Member